

Notice of Allowability

Application No.

10/773,452

Examiner

Jeremy S. Cerullo

Applicant(s)

KIMELMAN ET AL.

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to arguments filed on 23 December 2005.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Mark Davis

EXAMINER'S COMMENTS

1. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because informal drawings were submitted. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:
2. In light of the Applicant's Arguments, filed on 23 December 2005, Claim 1 is considered to be allowable, particularly due to the limitation that the nested interrupt controller will pre-empt an active interrupt handling program with a pending interrupt handling program based on a comparison of the first portions of the priority levels of the two programs, and also due to the limitation that the controller sets the activation order of pending interrupt handling programs based on the first portions of the priority levels, and on the second portions of the priority levels if the first portions are equal. These limitations, when considered in combination with the rest of the claim, distinguish the invention from the prior art of record.
3. Claims 2-4 are considered allowable based on their dependence on Claim 1.

4. In light of the Applicant's Arguments, filed on 23 December 2005, Claim 5 is considered to be allowable, particularly due to the limitation that the step of controlling includes pre-empting an active interrupt handling program with a pending interrupt handling program based on a comparison of the first portions of the priority levels of the two programs, and also due to the limitation that the step of controlling comprises setting the activation order of pending interrupt handling programs based on the first portions of the priority levels, and on the second portions of the priority levels if the first portions are equal. These limitations, when considered in combination with the rest of the claim, distinguish the invention from the prior art of record.

5. Claims 6-8 are considered allowable based on their dependence on Claim 5.

6. In light of the Applicant's Arguments, filed on 23 December 2005, Claim 9 is considered to be allowable, particularly due to the limitation that the means for controlling nested interrupt execution will pre-empt an active interrupt handling program with a pending interrupt handling program based on a comparison of the first portions of the priority levels of the two programs, and also due to the limitation that the means for controlling nested interrupt execution sets the activation order of pending interrupt handling programs based on the first portions of the priority levels, and on the second portions of the priority levels if the first portions are equal. These limitations, when considered in combination with the rest of the claim, distinguish the invention from the prior art of record.

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7. Claims 10-12 are considered allowable based on their dependence on Claim 9.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeremy S. Cerullo whose telephone number is (571) 272-3634. The examiner can normally be reached on Monday - Thursday, 8:00-4:00; Alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Perveen can be reached on (571) 272-3676. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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